

30 September 1968

Bill:

1. To elaborate further on our discussion of Friday regarding what we anticipate to obtain from the computer runs, and how the DIA analysis fits into the overall pilot evaluation study of the EEWG ---

2. The results obtained in the DIA study, I believe, are sufficient to satisfy most of the questions addressed by the SIGINT Committee to the EEWG. This is especially true for such questions as, "What are the targets for ELINT collection in the area?", "What collection is being accomplished against these tasks and by which units?", etc. I look at the DIA study then as a representation of the actual situation for the period covered by that analysis. As you know, I would like to draw on prior studies which are pertinent in order to trace important trends and document findings in areas which were not explicitly covered in the DIA analysis. For example, the [] study is an excellent source of detail on the collection requirements system, and I believe that some of the results might be profitably included in the EEWG report, and certainly ought to be cited as a reference.

3. The other half of the coin is the effort to deal with "what if" questions pertaining to the pilot evaluation area. First, an orderly description of the collectors and their objectives has been developed and some differentiation made among the various uses for which ELINT is valuable. To a degree, what we are doing is developing a model through which an insight to the various alternatives in the ELINT process may be assessed. To the extent that this model reflects reality and is convenient, it is valuable. No model, however, is exact, but for the purpose intended it appears that great precision (and great expense) is not required.

4. The reason for modeling is very simple -- time is unidirectional. You can't go back and play a series of events again and again against different environments. Dealing with the "what if" questions must always be speculative. Because we can accept any decision maker's judgments with regard to the utility or value of the various ELINT products and their relationships, I believe we are developing a very powerful aid and,

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importantly, one whose value will increase as the model improves and is used. *

5. A very important relationship will exist between the model and the DIA analysis. We know what was achieved in terms of collection for a particular period of time against a particular environment. If we use the parameters characteristic of that situation in the model we should obtain results which are consistent with what actually happened. This provides an important first test of the model, and permits people to relate their experience to the model and thereby obtain some degree of confidence. Because the results will not be exactly the same, some of the limitations of the model will also become apparent.

6. I feel that there is a great deal to be gained by concurrently developing the model and, at the same time, checking up on what is happening in real life via the methodology developed in the DIA analysis. It seems to me that these two things go hand in hand and are, in fact, interdependent.

7. I have rambled on at some length, I know, but I hope this provides sufficient explanation of how I view the EEWG study for your purposes. Please call me if I can be of any assistance.

Ray